


June 9, 2022

Alan Sundquist
CDW Consultants, Inc.
4 California Drive, Suite 301
Framingham, MA 01760

Project Location: 240 Beaver St., Waltham, MA
Client Job Number:
Project Number: 1830.1
Laboratory Work Order Number: 22E1819

Enclosed are results of analyses for samples as received by the laboratory on May 26, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CDW Consultants, Inc.
4 California Drive, Suite 301
Framingham, MA 01760
ATTN: Alan Sundquist

REPORT DATE: 6/9/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 1830.1

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22E1819

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 240 Beaver St., Waltham, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Comp #1 (2-10ft)	22E1819-01	Soil		SM 2540G SW-846 6010D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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Project Location: 240 Beaver St., Waltham, MA

Sample Description:

Work Order: 22E1819

Date Received: 5/26/2022

Field Sample #: Comp #1 (2-10ft)

Sampled: 5/12/2022 12:00

Sample ID: 22E1819-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	73.0		% Wt	1		SM 2540G	5/20/22	5/21/22 15:14	AV

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Project Location: 240 Beaver St., Waltham, MA

Sample Description:

Work Order: 22E1819

Date Received: 5/26/2022

Field Sample #: Comp #1 (2-10ft)

Sampled: 5/12/2022 12:00

Sample ID: 22E1819-01

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.90	0.10	mg/L	1		SW-846 6010D	5/30/22	5/31/22 19:33	ATP

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Sample Extraction Data

Prep Method: % Solids Analytical Method: SM 2540G

Lab Number [Field ID]	Batch	Date
22E1819-01 [Comp #1 (2-10ft)]	B308891	05/20/22

Prep Method: SW-846 3010A Analytical Method: SW-846 6010A ~~100~~ 100 batches were extracted on 5/27/2022 per SW-846 1311 in Batch B309426

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22E1819-01 [Comp #1 (2-10ft)]	B309545	50.0	50.0	05/30/22

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QUALITY CONTROL

TCLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B309545 - SW-846 3010A								
Blank (B309545-BLK1)								
Prepared: 05/30/22 Analyzed: 05/31/22								
Lead	ND	0.10	mg/L					
LCS (B309545-BS1)								
Prepared: 05/30/22 Analyzed: 05/31/22								
Lead	0.492	0.10	mg/L	0.500	98.4	80-120		
LCS Dup (B309545-BSD1)								
Prepared: 05/30/22 Analyzed: 05/31/22								
Lead	0.509	0.10	mg/L	0.500	102	80-120	3.29	20

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
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SW-846 6010D in Water

Lead	NY,CT,ME,NC,NH,VA
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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22E-0834



Phone: 413-525-2332
Fax: 413-525-6405

Access COC's and Support Requests

Company Name: **CDW CONSULTANTS**
Address: **500 TOWN DR FARMINGTON**
Phone: **508-235-2657**
Project Name: **WATNAM**
Project Location: **240 Broad St, WATNAM**
Project Number: **18301**
Project Manager: **A. Samir**
Pace Quote Name/Number:

Invoice Recipient:

Sampled By:

Sample ID	Client Sample ID / Description	Sample Date/Time	Analysis Date/Time	Analysis Code	Analysis Type
1	CDW #1 (2-10)	5/12/22	5/12/22	124	CLP
2	CDW #2 (4-1)	5/12/22	5/12/22	124	CLP

Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	5/12/22
Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	5/12/22
Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	5/12/22
Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	5/12/22

Client Comments: **1 CLP if per rule 20x rule**

Reactive sample -01 for
TCLP Pb per 20x rule.

MA MCP Required
MCP Certification Form Required
CT RCP Required
RCP Certification Form Required
MA State DW Required

Project Entity

Government
Federal
City

Municipality
21 J
Brownfield

MAWRA
School
MBTA

Other
Chromatogram
AMA-LAP LLC

WRTA

Other

AMA-LAP LLC

AMA-LAP LLC

<http://www.pacelabs.com>

CHAIN OF CUSTODY RECORD

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East Longmeadow, MA 01028

Disinfectant Samples

Field Filtered
Lab to Filter

Orthophosphate Samples

Field Filtered
Lab to Filter

PCB ONLY

SOXHLET

NON SOXHLET

VIALS

GLASS

PLASTIC

BACTERIA

ENCORE

CLP Like Data Pkg Required:

Excel

Format:

Other:

CLP Like Data Pkg Required:

Excel

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Other:

CLP Like Data Pkg Required:

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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples _____

Pace

Doc# 277 Rev 5 2017

Pace

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client CDW

Received By DR

Date 5/12/22

Time 1810

How were the samples received?

In Cooler 7

No Cooler _____

On Ice 7

No Ice _____

Direct from Sampling _____

Ambient _____

Melted Ice _____

Were samples within Temperature? 2-6°C 7

By Gun # 5

Actual Temp - 3.7

By Blank # _____

Actual Temp - _____

Was Custody Seal Intact? NA

Were Samples Tampered with? NA

Was COC Relinquished? 7

Does Chain Agree With Samples? 7

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? 7

Were samples received within holding time? 7

Did COC include all pertinent Information? 7

Client 7

Analysis 7

Sampler Name 7

Project 7

ID's 7

Collection Dates/Times 7

Are Sample labels filled out and legible? 7

Are there Lab to Filters? F

Who was notified? _____

Are there Rushes? F

Who was notified? _____

Are there Short Holds? 7

Who was notified? Davies

Is there enough Volume? 7

Is there Headspace where applicable? 7

Proper Media/Containers Used? 7

Were trip blanks received? F

Do all samples have the proper pH? NA

Acid _____

Base _____

Vials	#	Containers	#	Vials	#	Containers	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	<u>4</u>
Meoh-	<u>1</u>	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-	<u>2</u>	Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass	<u>1</u>	Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers	#	Vials	#	Containers	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test, a Pace Analytical Laboratory

Project #: 22E1819

Project Location: 240 Beaver St., Waltham, MA

RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

22E1819-01

Matrices: Soil

CAM Protocol (check all that below)

8260 VOC CAM II A ()	7470/7471 Hg CAM II B ()	MassDEP VPH (GC/PID/FID) CAM IV A ()	8082 PCB CAM V A ()	9014 Total Cyanide/PAC CAM VI A ()	6860 Perchlorate CAM VIII B ()
8270 SVOC CAM II B ()	7010 Metals CAM III C ()	MassDEP VPH (GC/MS) CAM IV C ()	8081 Pesticides CAM V B ()	7196 Hex Cr CAM VI B ()	MassDEP APH CAM IX A ()
6010 Metals CAM III A (X)	6020 Metals CAM III D ()	MassDEP EPH CAM IV B ()	8151 Herbicides CAM V C ()	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
----------	---	--

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:

Lisa Worthington

Position:

Technical Representative

Printed Name:

Lisa A. Worthington

Date:

06/09/22